



# 2000 Toxics Release Inventory

## MASSACHUSETTS

### Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	3,743,240	6,113,300	9,856,540
Air Emissions	3,594,452	5,691,419	9,285,870
Surface Water Discharges	139,065	60,893	199,958
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	750	0	750
Other On-site Land Releases	8,973	360,988	369,962
Off-site Releases (Transfers Off-site to Disposal)*	1,927,358	1,212,730	3,140,087
<b>Total On- and Off-site Releases</b>	<b>5,670,598</b>	<b>7,326,029</b>	<b>12,996,627</b>
Recycled On-site	14,443,126	635,528	15,078,654
Recycled Off-site	25,110,106	223,703	25,333,809
Energy Recovery On-site	6,344,221	20,882	6,365,103
Energy Recovery Off-site	6,450,558	106,266	6,556,825
Treated On-site	18,764,311	815,282	19,579,594
Treated Off-site**	15,629,970	218,834	15,848,804
Quantity Released On- and Off-site***	6,561,832	8,029,339	14,591,172
<b>Total Production-related Waste Managed</b>	<b>93,304,125</b>	<b>10,049,835</b>	<b>103,353,960</b>
<b>Non-production-related Waste Managed</b>	<b>7,765</b>	<b>2,725</b>	<b>10,491</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	23,193,276	387,295	23,580,571
Energy Recovery	7,260,475	104,543	7,365,018
Treatment	4,697,549	192,103	4,889,652
Publicly Owned Treatment Works (POTWs)	10,504,186	30	10,504,216
Metals and Metal Compounds*	39,481	0	39,481
Non-metal TRI Chemicals**	10,464,705	30	10,464,735
Other Off-site Transfers****	0	4,705	4,705
Transfers Off-site to Disposal (not including metals to POTWs)	1,898,621	1,220,992	3,119,613
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>47,554,106</b>	<b>1,909,669</b>	<b>49,463,775</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

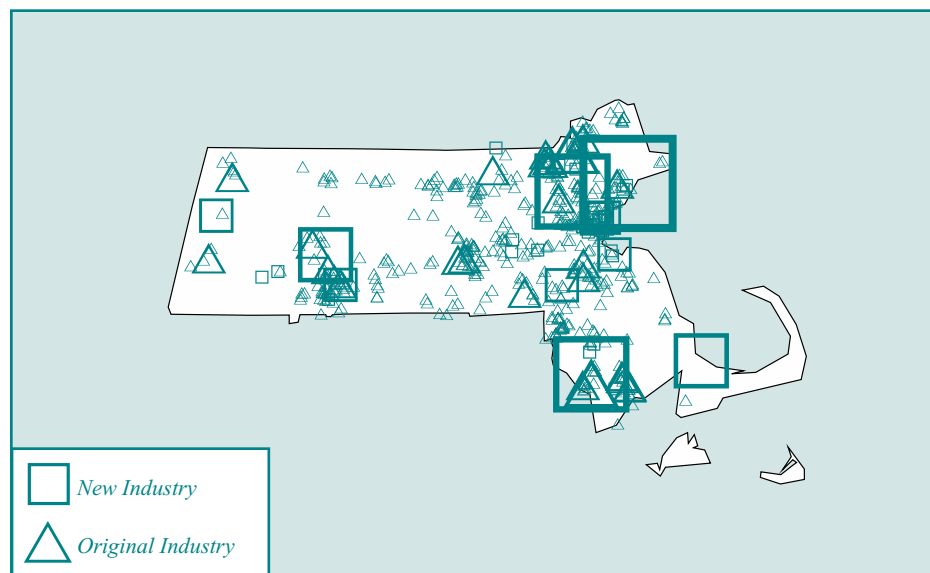
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#### EPA Contact

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To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
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Fax: (202) 401-2347  
tri.us@epa.gov



The largest marker in the map represents the largest facility for on-site releases in the Commonwealth of Massachusetts. All markers are proportionally-sized to represent the on-site releases at each facility within this commonwealth.

### State/TRI Data

Population	6,357,072
Square Miles	7,838
Total Facilities	556
Total Forms	1,739
Form As	179

	Original Industry	New Industry	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	42	41	44
Pounds	5,670,598	7,326,029	12,996,627
<b>National Rank for Total On-site Releases**</b>			
Rank	43	41	43
Pounds	3,743,240	6,113,300	9,856,540
<b>National Rank for Total Releases within State***</b>			
Rank	43	41	44
Pounds	5,457,076	6,926,450	12,383,526
<b>National Rank for Production-related Waste Managed</b>			
Rank	36	43	43
Pounds	93,304,125	10,049,835	103,353,960

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2000 Toxics Release Inventory

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### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	4,404,528	0	0	0	0	4,404,528	180,000	0	0
108-88-3	Toluene	1,080,423	373	0	6,056	24,472	1,111,324	5,268	21,227	3,245
7664-41-7	Ammonia	641,671	31	0	0	49,056	690,758	0	49,041	15
—	Vanadium compounds	17,415	52,603	0	155,900	349,340	575,258	11,144	247,536	101,804
—	Zinc compounds	12,289	1,233	0	51,654	465,860	531,036	6,055	222,775	243,085

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	99,031.82	678.99	0.00	0.37	40,812.08	140,523.26	653.62	577.53	40,234.55
—	Mercury compounds	290.92	0.10	0.00	3.30	58,608.12	58,902.44	238.10	104.87	58,503.25
1336-36-3	Polychlorinated biphenyls (PCBs)	3,903.00	0.00	0.00	0.00	0.00	3,903.00	26.13	0.00	0.00
7439-97-6	Mercury	51.03	0.00	0.00	0.10	2,276.87	2,328.00	5,119.64	340.87	1,936.00
191-24-2	Benzo(g,h,i)perylene	1,111.77	0.00	0.00	0.00	0.58	1,112.35	24.06	0.58	0.00
79-94-7	Tetrabromobisphenol A	0.00	0.00	0.00	315.00	315.00	630.00	0.00	0.00	315.00
—	Dioxin and dioxin-like compounds	0.03	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>11.662</i>	<i>0.070</i>	<i>0.000</i>	<i>0.000</i>	<i>0.190</i>	<i>11.922</i>	<i>0.097</i>	<i>0.000</i>	<i>0.190</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
118-74-1	Hexachlorobenzene	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

\*\*\* No reports were submitted for these chemicals.



# 2000 Toxics Release Inventory

## MASSACHUSETTS

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Salem Harbor Station, Salem, Essex	2,280,509	10,760	0	0	0	0	2,291,269	282,170	69,211
USGen New England Inc., Somerset, Bristol	1,202,693	5,162	0	0	0	258,250	1,466,105	344,391	16,660
Somerset Power L.L.C., Somerset, Bristol	907,186	42	0	0	0	0	907,228	0	0
Northeast Generation Services Mt. Tom Station, Holyoke, Hampden	532,140	0	0	0	0	4,301	536,441	105,586	0
Southern Energy Canal Station, Sandwich, Barnstable	373,331	38,527	0	0	0	57,019	468,877	0	0
Crown Cork & Seal Co. Inc., Lawrence, Essex	392,000	0	0	0	0	0	392,000	5	250
Globe Mfg. Corp., Fall River, Bristol	335,730	0	0	0	0	0	335,730	0	0
Duro, Fall River, Bristol	190,129	0	0	0	0	50	190,179	15,128	0
Ideal Tape Co., Lowell, Middlesex	179,944	0	0	0	0	0	179,944	0	0
Rexam Image Prods., South Hadley, Hampshire	116,975	0	0	0	0	0	116,975	0	1,000

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Duro, Fall River, Bristol	65,016.00	0.00	0.00	0.00	0.00	0.00	65,016.00	0.00	0.00
Crocker Technical Papers Inc., Fitchburg, Worcester	8,392.70	0.00	0.00	0.00	0.00	0.00	8,392.70	0.00	0.00
Veryfine Prods. Inc., Littleton, Middlesex	6,286.00	0.00	0.00	0.00	0.00	0.00	6,286.00	0.00	0.00
Archer Rubber Co., Milford, Worcester	3,991.00	0.00	0.00	0.00	0.00	0.00	3,991.00	0.00	0.00
Vogue Wallcoverings, Fitchburg, Worcester	3,432.57	0.00	0.00	0.00	0.00	0.00	3,432.57	0.00	0.00
Bird Machine Co., South Walpole, Norfolk	3,416.10	0.00	0.00	0.00	0.00	0.00	3,416.10	0.00	0.00
Simonds Inds. Inc., Fitchburg, Worcester	2,935.00	0.00	0.00	0.00	0.00	0.00	2,935.00	0.00	0.00
Kraft Foods N.A. Inc., Woburn, Middlesex	2,622.00	0.00	0.00	0.00	0.00	0.00	2,622.00	0.00	0.00
Rodney Hunt Co., Orange, Franklin	1,973.04	0.00	0.00	0.00	0.00	0.00	1,973.04	0.00	0.00
Warren Pumps Inc., Warren, Worcester	1,855.30	0.00	0.00	0.00	0.00	0.00	1,855.30	0.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2000 Toxics Release Inventory

## MASSACHUSETTS

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Salem Harbor Station, Salem, Essex	0	170	0	0	0	0	2,642,626	2,642,796	0
USGen New England Inc., Somerset, Bristol	0	0	4	0	0	0	1,826,459	1,826,463	0
Somerset Power L.L.C., Somerset, Bristol	0	0	0	0	812,250	0	907,166	1,719,416	0
Clean Harbors of Braintree Inc., Braintree, Norfolk	362,797	165,985	20,858	33,108	0	184,745	724,289	1,491,782	0
Northeast Generation Services Mt. Tom Station, Holyoke, Hampden	0	0	0	0	0	0	641,068	641,068	0
Southern Energy Canal Station, Sandwich, Barnstable	0	0	0	0	0	0	623,855	623,855	0
Allegheny Rodney, New Bedford, Bristol	0	0	85,798	16,070	688,405	35,646	437,139	1,263,058	0
Avedis Zildjian Co., Norwell, Plymouth	1,058,084	393,642	0	0	0	0	409,894	1,861,620	0
Crown Cork & Seal Co. Inc., Lawrence, Essex	0	0	0	0	41,000	7	390,270	431,277	0
Globe Mfg. Corp., Fall River, Bristol	532,287	0	0	112,821	0	1	308,010	953,119	1,448

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Clean Harbors of Braintree Inc., Braintree, Norfolk	0	42,771	0	0	0	0	46,485	89,256	0
Coastal Oil Of New England, South Boston, Suffolk	0	0	0	0	0	0	40,734	40,734	0
Cascades Diamond, Thorndike, Hampden	0	0	0	0	0	0	9,171	9,171	0
Veryfine Prods. Inc., Littleton, Middlesex	0	0	0	0	0	0	6,886	6,886	0
Archer Rubber Co., Milford, Worcester	0	0	0	0	0	0	3,991	3,991	0
Vogue Wallcoverings, Fitchburg, Worcester	0	0	0	0	0	0	3,433	3,433	0
Bird Machine Co., South Walpole, Norfolk	0	0	0	0	0	0	3,416	3,416	0
Simonds Inds. Inc., Fitchburg, Worcester	0	0	0	0	0	0	2,935	2,935	0
Kraft Foods N.A. Inc., Woburn, Middlesex	0	0	0	2	0	0	2,622	2,624	0
Rodney Hunt Co., Orange, Franklin	0	0	0	0	0	0	1,952	1,952	0

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.